OIPE #5

CRF Errors Corrected by the STIC Systems Branch

CRF Processing Date: 7/18/2001
Edited by:
Verified by: STIC staff

Serial Number: 09/801,784 ENTERED

RECEIVED
DEC 18 2001
TECH CENTER 1600/2900

- [ ] Changed a file from non-ASCII to ASCII
- [x] Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- [ ] Edited a format error in the Current Application Data section, specifically: _____
- [ ] Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- [ ] Added the mandatory heading and subheadings for "Current Application Data".
- [ ] Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer
- [ ] Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- [ ] Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- [ ] Inserted or corrected a nucleic number at the end of a nucleic line SEQ ID NO's edited: _____
- [ ] Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- [ ] Inserted colons after headings/subheadings. Headings edited included: _____
- [ ] Deleted extra, invalid, headings used by an applicant, specifically: _____
- [ ] Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- [ ] Inserted mandatory headings, specifically: _____
- [ ] Corrected an obvious error in the response, specifically: _____
- [ ] Edited identifiers where upper case is used but lower case is required, or vice versa.
- [ ] Corrected an error in the Number of Sequences field, specifically: _____
- [ ] A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- [ ] Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- [x] Other: corrected spelling of Consensus

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

#5

RAW SEQUENCE LISTING DATE: 07/18/2001
PATENT APPLICATION: **US/09/801,784** TIME: 11:18:49

Input Set : **A:\Pto.amc**
Output Set: **N:\CRF3\07182001\I801784.raw**

SEQUENCE LISTING

(1) GENERAL INFORMATION:
(i) APPLICANT: Cassels, Frederick J.
Loomis-Price, Lawrence
(ii) TITLE OF INVENTION: PEPTIDES FROM A CONSENSUS PEPTIDE OF E. COLI CS4-CFA/I FAMILY PROTEINS
(iii) NUMBER OF SEQUENCES: 37
(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Hendricks and Assoc.
(B) STREET: P.O. Box 2509
(C) CITY: Fairfax
(D) STATE: VA
(E) COUNTRY: US
(F) ZIP: 22031
(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25
(vi) CURRENT APPLICATION DATA:
C--> **(A) APPLICATION NUMBER: US/09/801,784**
C--> **(B) FILING DATE: 09-Mar-2001**
(C) CLASSIFICATION:
(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Hendricks, Glenna M.
(B) REGISTRATION NUMBER: 32.535
(C) REFERENCE/DOCKET NUMBER: cas801
(ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: (703) 425-8405
(B) TELEFAX: (702) 425-8406
(2) INFORMATION FOR SEQ ID NO: 1:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 12 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown
(ii) MOLECULE TYPE: peptide
(iii) HYPOTHETICAL: NO
(iv) ANTI-SENSE: NO
(vi) ORIGINAL SOURCE:
(A) ORGANISM: E. coli
(B) STRAIN: CS4-CFA/I
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
Ala Ser Val Asp Pro Thr Ile Asp Leu Leu Gln Ala
1 5 10
(2) INFORMATION FOR SEQ ID NO: 2:
(i) SEQUENCE CHARACTERISTICS:

RAW SEQUENCE LISTING DATE: 07/18/2001
PATENT APPLICATION: **US/09/801,784** TIME: 11:18:49

Input Set : **A:\Pto.amc**
Output Set: **N:\CRF3\07182001\I801784.raw**

(A) LENGTH: 12 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown
(ii) MOLECULE TYPE: peptide
(iii) HYPOTHETICAL: NO
(iv) ANTI-SENSE: NO
(vi) ORIGINAL SOURCE:
(A) ORGANISM: E. coli
(B) STRAIN: CS4-CFA/I
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
Ala Ser Val Asp Pro Thr Ile Asp Leu Leu Gln Ala
1 5 10
(2) INFORMATION FOR SEQ ID NO: 3:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 16 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown
(ii) MOLECULE TYPE: peptide
(iii) HYPOTHETICAL: NO
(iv) ANTI-SENSE: NO
(vi) ORIGINAL SOURCE:
(A) ORGANISM: E. coli
(B) STRAIN: CS4-CFA/I
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
Thr Val Thr Ala Ser Val Asp Pro Thr Ile Asp Leu Leu Gln Ala Asp
1 5 10 15
(2) INFORMATION FOR SEQ ID NO: 4:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 15 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown
(ii) MOLECULE TYPE: peptide
(iii) HYPOTHETICAL: NO
(iv) ANTI-SENSE: NO
(vi) ORIGINAL SOURCE:
(A) ORGANISM: E. coli
(B) STRAIN: CS4-CFA/I
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
Val Thr Ala Ser Val Asp Pro Thr Ile Asp Leu Leu Gln Ala Asp
1 5 10 15
(2) INFORMATION FOR SEQ ID NO: 5:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 14 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

RAW SEQUENCE LISTING DATE: 07/18/2001
PATENT APPLICATION: **US/09/801,784** TIME: 11:18:49

Input Set : **A:\Pto.amc**
Output Set: **N:\CRF3\07182001\I801784.raw**

(ii) MOLECULE TYPE: peptide
(iii) HYPOTHETICAL: NO
(iv) ANTI-SENSE: NO
(vi) ORIGINAL SOURCE:
(A) ORGANISM: E. coli
(B) STRAIN: CS4-CFA/I
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
Thr Ala Ser Val Asp Pro Thr Ile Asp Leu Leu Gln Ala Asp
1 5 10

(2) INFORMATION FOR SEQ ID NO: 6:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 13 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown
(ii) MOLECULE TYPE: peptide
(iii) HYPOTHETICAL: NO
(iv) ANTI-SENSE: NO
(vi) ORIGINAL SOURCE:
(A) ORGANISM: E. coli
(B) STRAIN: CS4-CFA/I
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
Thr Ala Ser Val Asp Pro Thr Ile Asp Leu Leu Gln Ala
1 5 10

(2) INFORMATION FOR SEQ ID NO: 7:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 8 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown
(ii) MOLECULE TYPE: peptide
(iii) HYPOTHETICAL: NO
(iv) ANTI-SENSE: NO
(vi) ORIGINAL SOURCE:
(A) ORGANISM: E. coli
(B) STRAIN: CS4-CFA/I
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
Val Glu Lys Asn Ile Thr Val Thr
1 5

(2) INFORMATION FOR SEQ ID NO: 8:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 8 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown
(ii) MOLECULE TYPE: peptide
(iii) HYPOTHETICAL: NO
(iv) ANTI-SENSE: NO
(vi) ORIGINAL SOURCE:

(A) ORGANISM: E. coli
(B) STRAIN: CS4-CFA/I
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
Glu Lys Asn Ile Thr Val Thr Ala
1 5
(2) INFORMATION FOR SEQ ID NO: 9:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 8 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown
(ii) MOLECULE TYPE: peptide
(iii) HYPOTHETICAL: NO
(iv) ANTI-SENSE: NO
(vi) ORIGINAL SOURCE:
(A) ORGANISM: E. coli
(B) STRAIN: CS4-CFA/I
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
Lys Asn Ile Thr Val Thr Ala Ser
1 5
(2) INFORMATION FOR SEQ ID NO: 10:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 8 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown
(ii) MOLECULE TYPE: peptide
(iii) HYPOTHETICAL: NO
(iv) ANTI-SENSE: NO
(vi) ORIGINAL SOURCE:
(A) ORGANISM: E. coli
(B) STRAIN: CS4-CFA/I
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
Asn Ile Thr Val Thr Ala Ser Val
1 5
(2) INFORMATION FOR SEQ ID NO: 11:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 8 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown
(ii) MOLECULE TYPE: peptide
(iii) HYPOTHETICAL: NO
(iv) ANTI-SENSE: NO
(vi) ORIGINAL SOURCE:
(A) ORGANISM: E. coli
(B) STRAIN: CS4-CFA/I
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
Ile Thr Val Thr Ala Ser Val Asp

RAW SEQUENCE LISTING DATE: 07/18/2001
PATENT APPLICATION: **US/09/801,784** TIME: 11:18:49

Input Set : **A:\Pto.amc**
Output Set: **N:\CRF3\07182001\I801784.raw**

```
307      1               5
309 (2) INFORMATION FOR SEQ ID NO: 12:
311      (i) SEQUENCE CHARACTERISTICS:
312           (A) LENGTH: 8 amino acids
313           (B) TYPE: amino acid
314           (C) STRANDEDNESS: single
315           (D) TOPOLOGY: unknown
317     (ii) MOLECULE TYPE: peptide
319    (iii) HYPOTHETICAL: NO
321     (iv) ANTI-SENSE: NO
323     (vi) ORIGINAL SOURCE:
324           (A) ORGANISM: E. coli
325           (B) STRAIN: CS4-CFA/I
328     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
330      Thr Val Thr Ala Ser Val Asp Pro
331      1               5
333 (2) INFORMATION FOR SEQ ID NO: 13:
335      (i) SEQUENCE CHARACTERISTICS:
336           (A) LENGTH: 8 amino acids
337           (B) TYPE: amino acid
338           (C) STRANDEDNESS: single
339           (D) TOPOLOGY: unknown
341     (ii) MOLECULE TYPE: peptide
343    (iii) HYPOTHETICAL: NO
345     (iv) ANTI-SENSE: NO
347     (vi) ORIGINAL SOURCE:
348           (A) ORGANISM: E. coli
349           (B) STRAIN: CS4-CFA/I
352     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
354      Val Thr Ala Ser Val Asp Pro Thr
355      1               5
357 (2) INFORMATION FOR SEQ ID NO: 14:
359      (i) SEQUENCE CHARACTERISTICS:
360           (A) LENGTH: 8 amino acids
361           (B) TYPE: amino acid
362           (C) STRANDEDNESS: single
363           (D) TOPOLOGY: unknown
365     (ii) MOLECULE TYPE: peptide
367    (iii) HYPOTHETICAL: NO
369     (iv) ANTI-SENSE: NO
371     (vi) ORIGINAL SOURCE:
372           (A) ORGANISM: E. coli
373           (B) STRAIN: CS4-CFA/I
376     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
378      Thr Ala Ser Val Asp Pro Thr Ile
379      1               5
381 (2) INFORMATION FOR SEQ ID NO: 15:
383      (i) SEQUENCE CHARACTERISTICS:
384           (A) LENGTH: 8 amino acids
```

VERIFICATION SUMMARY DATE: 07/18/2001
PATENT APPLICATION: **US/09/801,784** TIME: 11:18:50

Input Set : **A:\Pto.amc**
Output Set: **N:\CRF3\07182001\I801784.raw**

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/801,784

DATE: 07/02/2001
TIME: 16:35:07

Input Set : A:\PTO.txt
Output Set: N:\CRF3\07022001\I801784.raw

Does Not Comply
Corrected Diskette Needed

SEQUENCE LISTING

```
   4 (1) GENERAL INFORMATION:
   6      (i) APPLICANT: Cassels, Frederick J.
   7                     Loomis-Price, Lawrence
   9     (ii) TITLE OF INVENTION: PEPTIDES FROM A CONCENSUS PEPTIDE OF
  10                              E.
  11                              COLI CS4-CFA/I FAMILY PROTEINS
  13    (iii) NUMBER OF SEQUENCES: 37
  15     (iv) CORRESPONDENCE ADDRESS:
  16           (A) ADDRESSEE: Hendricks and Assoc.
  17           (B) STREET: P.O. Box 2509
  18           (C) CITY: Fairfax
  19           (D) STATE: VA
  20           (E) COUNTRY: US
  21           (F) ZIP: 22031
  23      (v) COMPUTER READABLE FORM:
  24           (A) MEDIUM TYPE: Floppy disk
  25           (B) COMPUTER: IBM PC compatible
  26           (C) OPERATING SYSTEM: PC-DOS/MS-DOS
  27           (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
  29     (vi) CURRENT APPLICATION DATA:
C--> 30           (A) APPLICATION NUMBER: US/09/801,784
C--> 31           (B) FILING DATE: 09-Mar-2001
  32           (C) CLASSIFICATION:
  34   (viii) ATTORNEY/AGENT INFORMATION:
  35           (A) NAME: Hendricks, Glenna M.
  36           (B) REGISTRATION NUMBER: 32.535
  37           (C) REFERENCE/DOCKET NUMBER: cas801
  39     (ix) TELECOMMUNICATION INFORMATION:
  40           (A) TELEPHONE: (703) 425-8405
  41           (B) TELEFAX: (702) 425-8406
```

ERRORED SEQUENCES

```
  92 (2) INFORMATION FOR SEQ ID NO: 3:
  94      (i) SEQUENCE CHARACTERISTICS:
  95           (A) LENGTH: 16 amino acids
  96           (B) TYPE: amino acid
  97           (C) STRANDEDNESS: single
  98           (D) TOPOLOGY: unknown
 100     (ii) MOLECULE TYPE: peptide
 102    (iii) HYPOTHETICAL: NO
 104     (iv) ANTI-SENSE: NO
 106     (vi) ORIGINAL SOURCE:
 107           (A) ORGANISM: E. coli
 108           (B) STRAIN: CS4-CFA/I
```

RAW SEQUENCE LISTING DATE: 07/02/2001
PATENT APPLICATION: US/09/801,784 TIME: 16:35:07

Input Set : A:\PTO.txt
Output Set: N:\CRF3\07022001\I801784.raw

```
     111     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
     113      Thr Val Thr Ala Ser Val Asp Pro Thr Ile Asp Leu Leu Gln Ala
E--> 114 Asp
E--> 115      1               5                   10                  15
     911 (2) INFORMATION FOR SEQ ID NO: 37:
     913      (i) SEQUENCE CHARACTERISTICS:
     914           (A) LENGTH: 37 amino acids
     915           (B) TYPE: amino acid
     916           (C) STRANDEDNESS: single
     917           (D) TOPOLOGY: unknown
     919      (ii) MOLECULE TYPE: peptide
     921     (iii) HYPOTHETICAL: NO
     923      (iv) ANTI-SENSE: NO
     925      (vi) ORIGINAL SOURCE:
     926           (A) ORGANISM: E. coli
     927           (B) STRAIN: CS4-CFA/I
     930      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 37:
     932      Cys Val Glu Lys Asn Ile Thr Val Thr Ala Ser Val Asp Pro Thr
E--> 933 Ile
E--> 934      1               5                   10                  15
     937      Asp Leu Leu Gln Ala Asp Gly Ser Ala Leu Pro Ser Ala Val Ala
E--> 938 Leu
E--> 939                  20                  25                  30
     942      Thr Tyr Ser Pro Ala
E--> 943               35
```

format error

VERIFICATION SUMMARY DATE: 07/02/2001
PATENT APPLICATION: **US/09/801,784** TIME: 16:35:08

Input Set : **A:\PTO.txt**
Output Set: **N:\CRF3\07022001\I801784.raw**

L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:114 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
M:332 Repeated in SeqNo=3
L:933 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
M:332 Repeated in SeqNo=37